

CLAIMS

1. Image display apparatus comprising projector means, a first light source, at least one primary modulator for modulating light from the first light source, a second light source, optical means for combining light from the second light source with the modulated light from the at least one primary modulator, and an auxiliary modulator for modulating the combined light from the second light source and the modulated light from the at least one primary modulator.
2. Image display apparatus according to claim 1 in which the at least one primary modulator comprises a first primary modulator for modulating red light, a second primary modulator for modulating green light, and a third primary modulator for modulating blue light.
3. Image display apparatus according to claim 1 or claim 2 in which the primary and auxiliary modulators are transmissive light modulators.
4. Image display apparatus according to claim 1 or claim 2 in which the primary and auxiliary modulators are reflective light modulators.
5. Image display apparatus according to any one of the preceding claims in which the first light source has a first spectral content and the second light source has a different spectral content.

6. Image display apparatus according to claim 5 in which the first light source has a spectral content in the visible part of the spectrum and the second light source has a spectral content in the infrared part of the spectrum.

7. Image display apparatus according to any one of the preceding claims in which the at least one primary modulator is driven by an output channel from the image generator, and the auxiliary modulator is driven by a separate output channel from the image generator.

8. Image display apparatus according to any one of claims 1 - 6 in which the at least one primary modulator is driven by a combination of output channels from the image generator, and the auxiliary modulator is also driven by a combination of output channels from the image generator.